BIOS Update Release Notes

PRODUCTS: DG31PR, DG31PRBR (Standard BIOS)

BIOS Version 0052

About This BIOS:

- June 12, 2008
- PRG3110H.86A.0052.2008.0612.1910
- VBIOS info:
  Build Number: 1508 PC 14.27
- PXE Nahum info:
  Intel UNDI, PXE-2.1 (build 082) For Realtek* RTL8111B/8111C Gigabit Ethernet Controller v2.13 (071227)

New Fixes/Features:

- Updated processor support.
- Fixed issue where badge missing.
- Updated PXE ROM version.
- Fixed issue where Net Ghost* hangs during PXE boot.
- Fixed issue with PECI support when using certain processor.
- Enabled C1 support to fix DMA issue.

BIOS Version 0047

About This BIOS:

- February 27, 2008
- PRG3110H.86A.0047.2008.0227.1745
- VBIOS info:
  Build Number: 1508 PC 14.27
- PXE Nahum info:
  Intel UNDI, PXE-2.1 (build 082) For Realtek* RTL8111B/8111C Gigabit Ethernet Controller v2.06 (070409)

New Fixes/Features:

- Fixed issue where keyboard not found when connecting USB keyboard.
- Fixed issue with CPU Thermal Trip Event log.
- Fixed S1 issue for PS2 keyboard and mouse.
- Changed Recovery behavior back to support Recovery from OLD version of BIOS.
- Fixed PS/2 optical mouse issues.
- Fixed issue where system hangs with TV tuner card installed.
- Modified CPU Ratio change function to disable C1E when CPU Ratio has been modified by user, also, enable N/2 support if CPU supports N/2.
- SLP20 Variable which OA20 tool create will not delete under post time, this can let OA20 utility display correct status.
- Added CPU ratio change support.

BIOS Version 0042

*Other names and brands may be claimed as the property of others.

About This BIOS:

- January 25, 2008
- PRG3110H.86A.0042.2008.0125.1349
- VBIOS info:
  Build Number: 1508 PC 14.27
- PXE Nahum info:
  Intel UNDI, PXE-2.1 (build 082) For Realtek* RTL8111B/8111C Gigabit Ethernet Controller v2.06 (070409)

New Fixes/Features:

- Copy Microsoft OEM string to F000:E130, F000:E7F0.
- Fixed PS/2 mouse detection for certain PS/2 Mouse.
- Fixed WHQL issue related to Hardware Monitor I/O Address.
- Fixed Vista* PE boot issue when using USB flash drive.
- Changed Hardware Monitor string from “Ambient Temperature” to “Motherboard Temperature”.

BIOS Version 0038

About This BIOS:

- December 21, 2007
- PRG3110H.86A.0038.2007.1221.1757
- VBIOS info:
  Build Number: 1508 PC 14.27
- PXE Nahum info:
  Intel UNDI, PXE-2.1 (build 082) For Realtek* RTL8111B/8111C Gigabit Ethernet Controller v2.06 (070409)

New Fixes/Features:

- Updated Memory reference code equivalent to MRC 2.30.
- Fixed IIA Boot Order issue fixed.
- Set boot order in IIA to be the same Boot Order as F2 Setup, when user sets Boot Mode to Advanced.
- Added Iflash command /f to force setup default function support; running Iflash /f will restore OemDefault which IIA or ITK created, otherwise will load Factory Default settings.
- WinPE issue fixed; this is caused when HPET is enabled at MRC 2.20
- Fixed issue where USB Floppy will not be detected when there is no media in the USB Floppy Drive.

BIOS Version 0037

About This BIOS:

- December 14, 2007
- PRG3110H.86A.0036.2007.1214.1350
- VBIOS info:
  Build Number: 1508 PC 14.27
- PXE Nahum info:
  Intel UNDI, PXE-2.1 (build 082) For Realtek* RTL8111B/8111C Gigabit Ethernet Controller v2.06 (070409)

New Fixes/Features:

- Updated VBIOS version to Build 1508 PC 14.27.
- Primary Video Device item function issue fixed.
- DVMT function issue fixed after update new VBIOS version.

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- Changed SMBIOS default Chassis Type to 0x03(Desktop) if user didn't use DMI utility to modify Chassis Type.
- Updated processor support.
- Fixed Boot Order issue under IIA.
- Changed L2 Cache display method to display L2 cache by "Number of cache X Cache size".

BIOS Version 0032

About This BIOS:

- November 19, 2007
- PRG3110H.86A.0032.2007.1119.2045
- VBIOS info:
  Build Number: 1478 PC 14.27
- PXE Nahum info:
  Intel UNDI, PXE-2.1 (build 082) For Realtek* RTL8111B/8111C Gigabit Ethernet Controller v2.06 (070409)

New Fixes/Features:

- Fixed blue screen error when installing Windows* Vista with 4GB RAM and PCIE video adapter.
- Fixed issue where the graphics driver shows a Code 43 error in Device Manager.
- Fixed issue where floppy drive is not available in Windows Vista.
- Updated PXE ROM.
- Fixed Intel Integrator Assistant (IIA) badge display issue under resolution 640x480 and 800x600.
- Fixed issue with Maintenance Page display when changing language.
- Fixed issue with wrong display in boot page when disabling Boot to Removable device and enabling again while floppy device is not connected.
- Fixed IIA issue when changing USB emulation type BIOS settings
- Added support for restoring SMBIOS information when updating BIOS with NVRAM update.
- Updated processor support.
- Fixed issue where CBU cannot run under Windows* XP.
- Modified the PCI reserved memory to get more memory when using 4GB memory in 32-bit OS.
- Fixed issue where running ITK remove command will remove BIOS password
- Fixed issue when extracting a NON modified BIOS settings, tokenize setting shows warning message.
- Fixed issue with default value set for Suspend State option.
- Fixed issue where BIOS apply setting will fail if "optimize for performance" option is set for Suspend state
- Fixed issue where creating New Workspace in ITK erroneously includes Intel(R) precision cooling.
- Fixed typo in "Additional System Information" if BIOS has been modified by ITK.
- Fixed issue with ITK when extracting SMBIOS from default BIOS factory setting it will return truncated strings for ChassisAssetTag.
- Fixed token ID discrepancies in the BIOS from those used in IIA
- Added support for RealTek* RTM875T-605 clock generator.

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- Changed the flash driver to use byte writing only for WinBond* 25x40 flash part.
- Fixed issue where wrong BIOS Version displays under Setup Menu.
- Changed SLP20 BIN file's OEMID and OEMTBLID.
- Added Flash Device MXIC-25L4005A Support.
- Fixed Windows XP S3 to S4 transition issue.
- Fixed issue when Power lost at S3 State, system can not boot.
- Added SLP2.0 support.
- Changed Badge and Enter Setup string to correspond to correct screen resolution.

BIOS Version 0024

About This BIOS:

- August 06, 2007
- PRG3110H.86A.0024.2007.0806.1518
- VBIOS info: Build Number: 1478 PC 14.27
- PXE Nahum info: Intel UNDI, PXE-2.1 (build 082) For Realtek RTL8111B/8111C Gigabit Ethernet Controller v2.06 (070409)

New Fixes/Features:

- Initial production BIOS release

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